

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

02/25/2011

Tom Ayres
Assistant District Attorney, Norfolk County
Case # [REDACTED]

Dear ADA Ayres,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Peter Piro.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

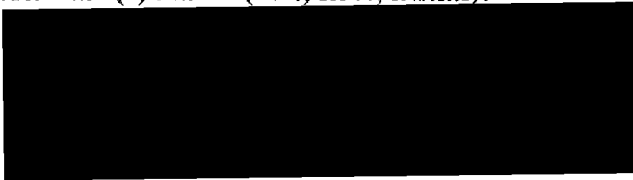
1:00 – 3:00

DRUG RECEIPT

City or Department: Weymouth Police Reference No.: 

Name and Rank of Submitting Officer: Det Thomas Anderson

Defendant(s) Name (last, first, initial):




To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

1) p/b w/ white substance 1402	3.72 gm	

Received by:  Date: 8-16-10

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Laboratory Supervisor I/Chemist III, II, I/ Assistant Analyst December 1991-Present
Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Train staff and coordinate schedules. Analyze controlled substances for State and Federal law enforcement agencies. Develop, oversee, and make improvements to the GC/MS laboratory's quality assurance/quality control (QA/QC) program. Serve as the Technical Supervisor of the Drug Analysis Laboratory. Responsible for planning and implementing Quality Improvement (QI) projects. Make recommendations for protocols and procedures by developing methods so work can be performed in an accurate and efficient manner. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991
Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank using cELISA and bioassays.

TRAINING AND ORGANIZATIONS

- * Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- * Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- * Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995 and a member of the Massachusetts Organization of State Engineers and Scientists.
- * Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- * Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.* Notary Public since 1993.

No. [REDACTED]

Date Analyzed: 11-8-10

City: Weymouth Police Dept.

Officer: Detective THOMAS ANDERSON

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 08/16/2010

No. Analyzed:

Gross Wt.: 3.72

Net Weight: 0.34

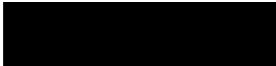
Tests: 6 ASO
2 P.P. 10

Prelim: cocaine @

Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY Weymouth.

ANALYST ASJ

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:

off white chunky crystals
17-pb

Gross Wt (): 0.8552

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.3470

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's ✓

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-11-10

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR PJP

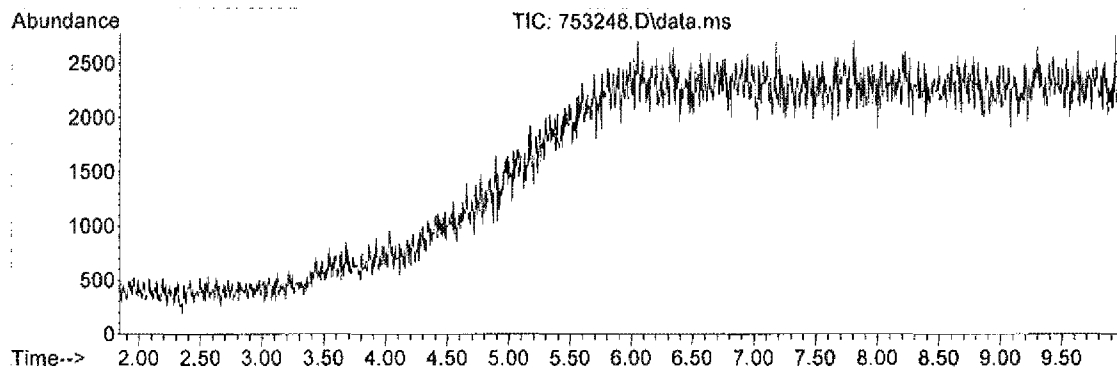
DATE 11-8-10

✓ P. Piro

2-24-11

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Operator : P. PIRO
Date Acquired : 5 Nov 2010 23:18
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

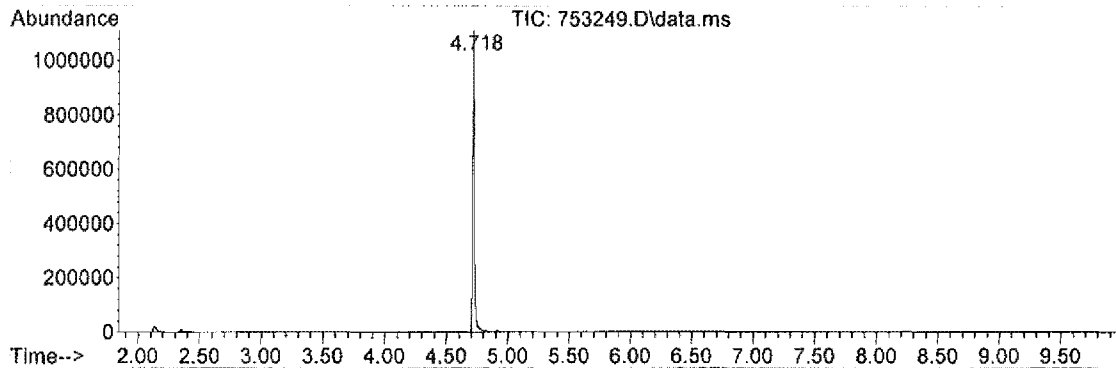


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

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File Name : C:\msdchem\1\System7\11_05_10\753249.D
Operator : P. PIRO
Date Acquired : 5 Nov 2010 23:31
Sample Name : COCAINE STANDARD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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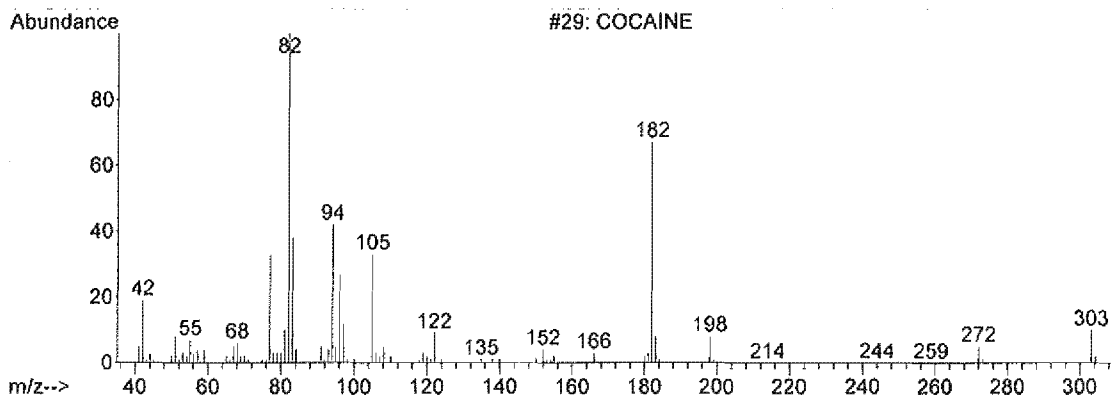
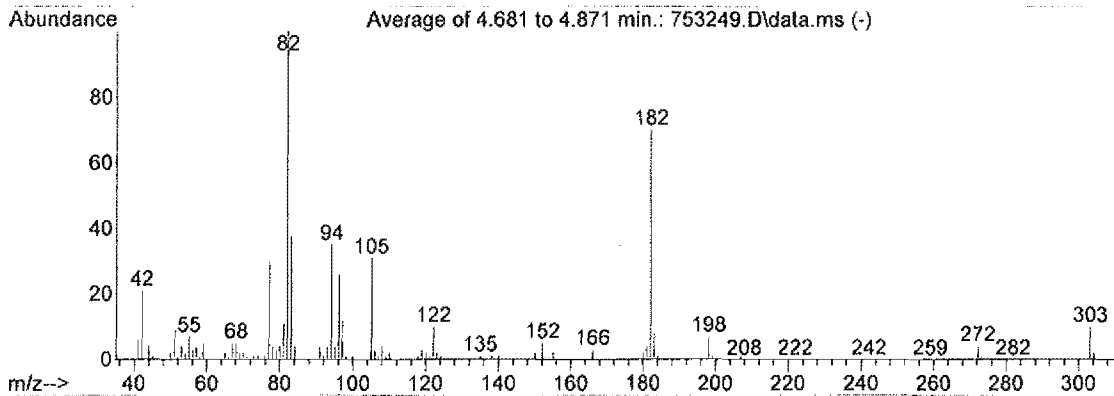
Area Percent / Library Search Report

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 Date Acquired : 5 Nov 2010 23:31
 Sample Name : COCAINE STANDARD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

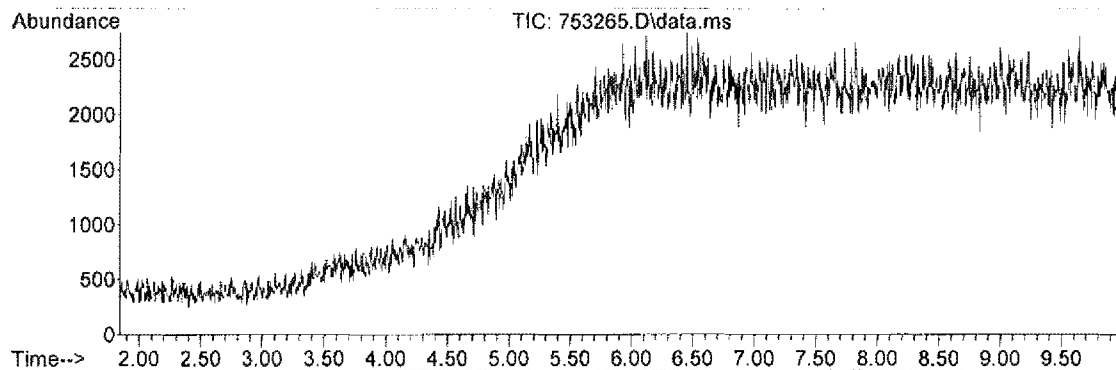
PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

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Operator : P. PIRO
Date Acquired : 6 Nov 2010 2:53
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



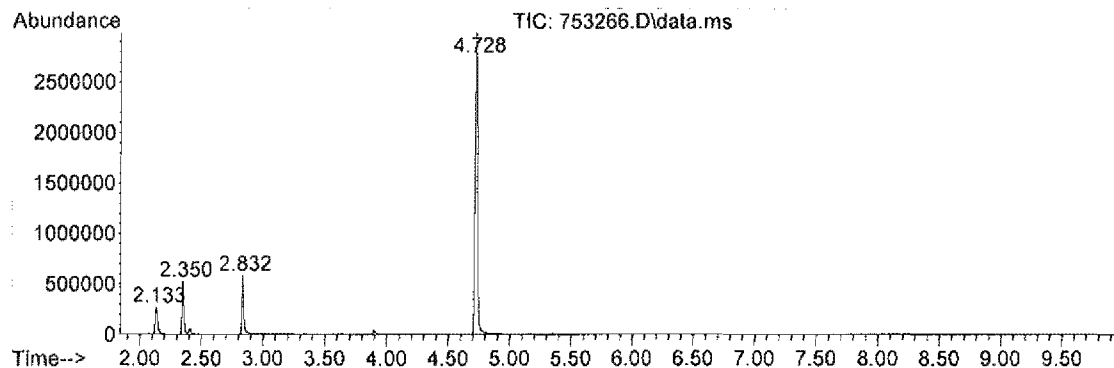
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753266.D
 Operator : P. PIRO
 Date Acquired : 6 Nov 2010 3:06
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 66
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.133	359170	6.39	8.80
2.350	536193	9.53	13.14
2.832	647219	11.51	15.86
4.728	4081698	72.57	100.00

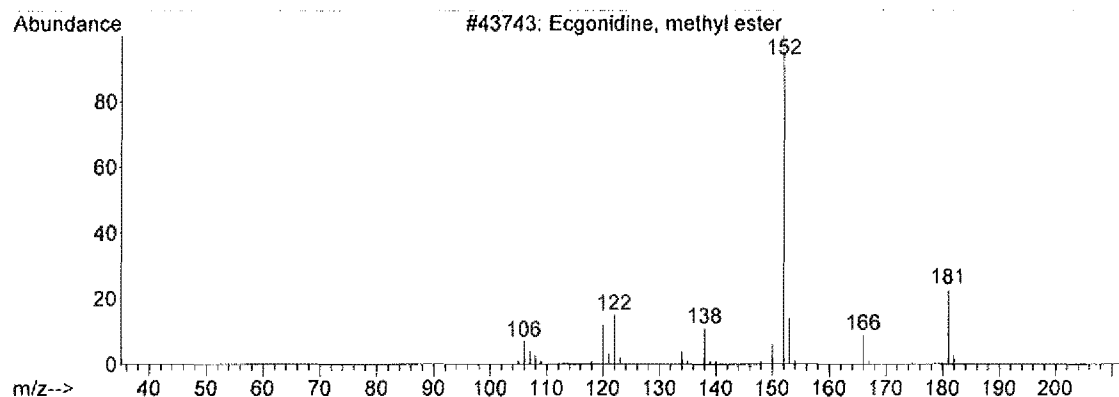
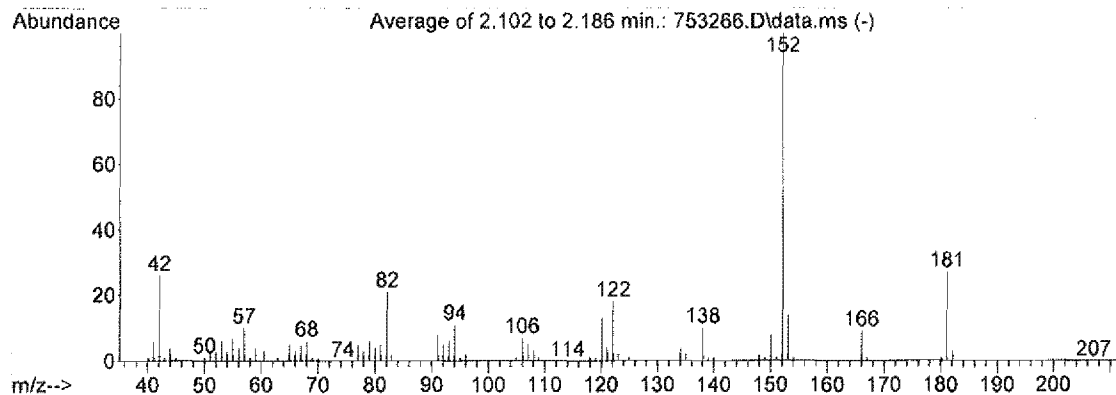
Area Percent / Library Search Report

Information from Data File:

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 Operator : P. PIRO
 Date Acquired : 6 Nov 2010 3:06
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 66
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	96
		2(1H)-Pyridinone, 4-hydroxy-6-methy	007135-82-2	38



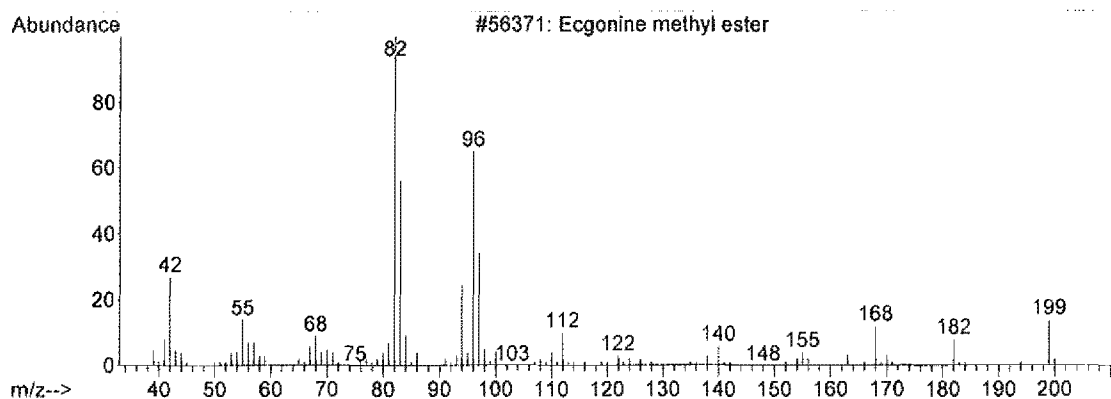
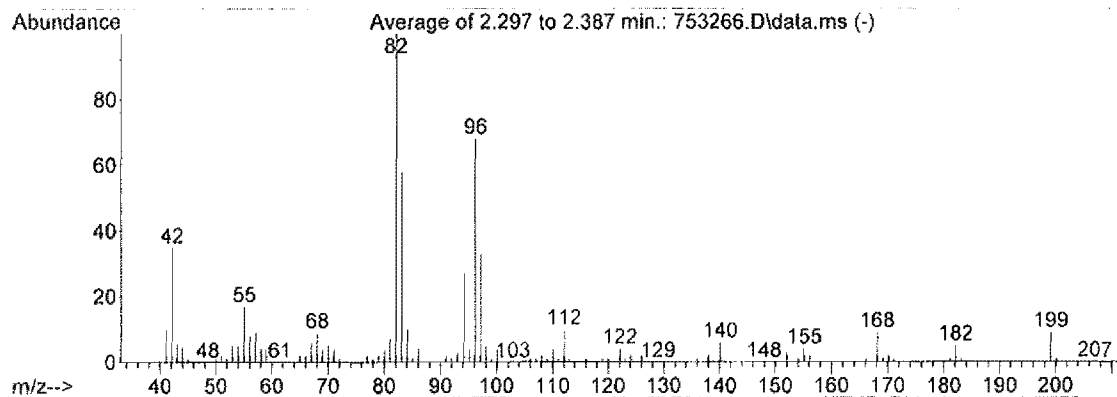
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753266.D
 Operator : P. PIRO
 Date Acquired : 6 Nov 2010 3:06
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 66
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.35	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	97
		Ecgonine methyl ester	106293-60-1	97
		Ecgonine methyl ester	106293-60-1	97

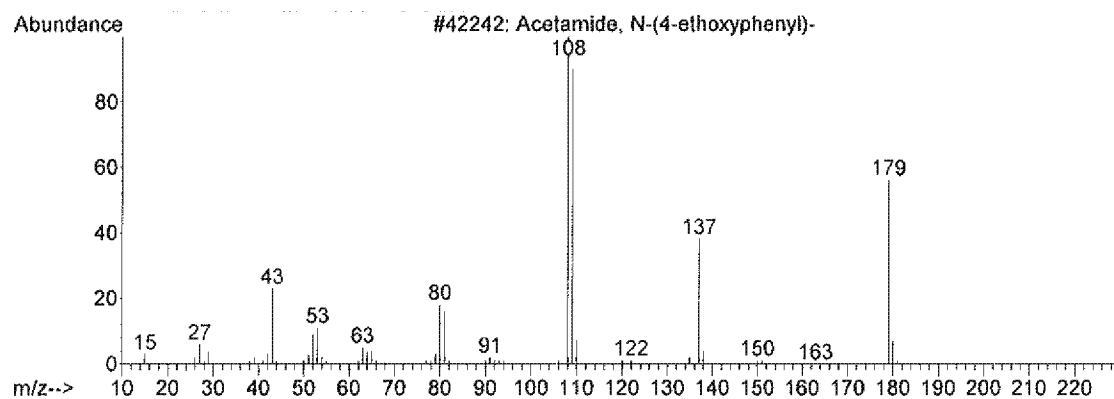
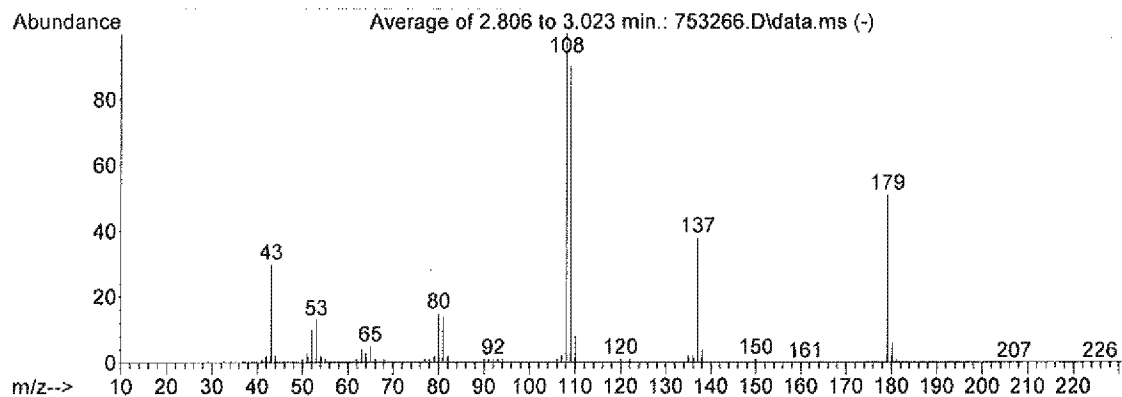


Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753266.D
Operator : P. PIRO
Date Acquired : 6 Nov 2010 3:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.83	C:\Database\NIST05a.L		
		Acetamide, N-(4-ethoxyphenyl)-	000062-44-2	98
		Acetamide, N-(4-ethoxyphenyl)-	000062-44-2	98
		Acetamide, N-(4-ethoxyphenyl)-	000062-44-2	98

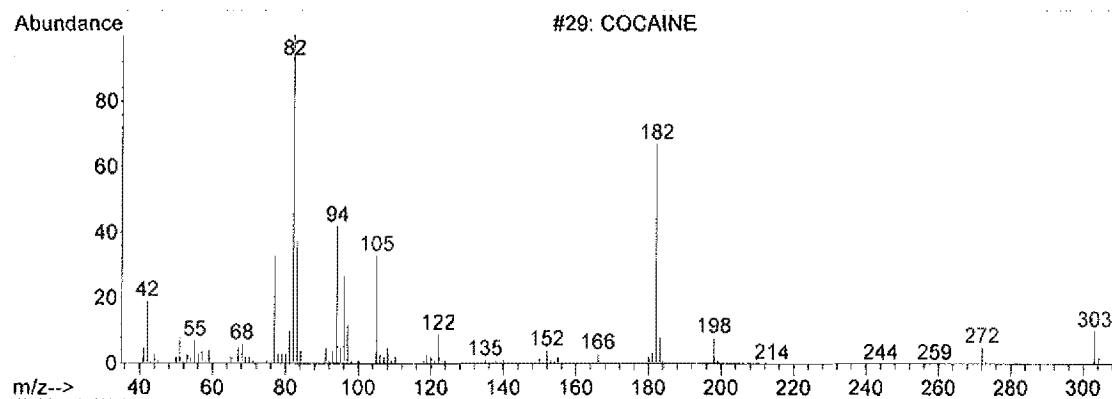
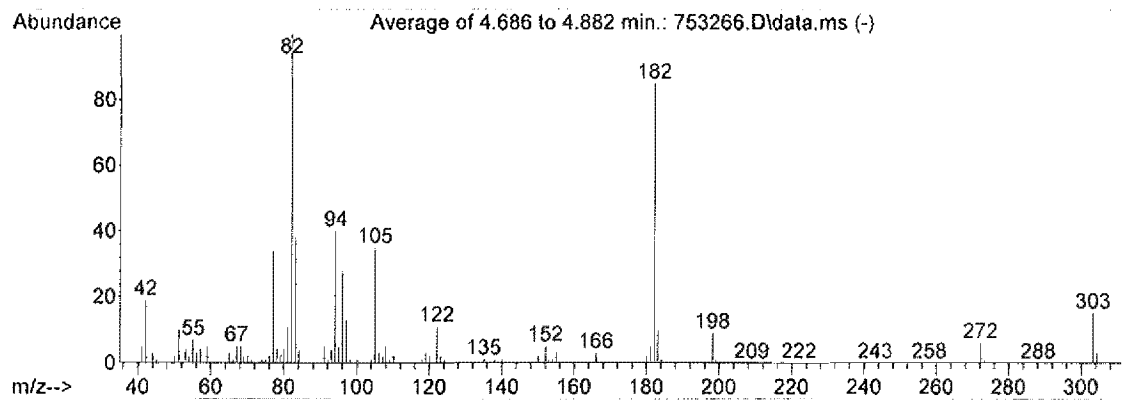


Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753266.D
Operator : P. PIRO
Date Acquired : 6 Nov 2010 3:06
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS.M
Integrator : RTE

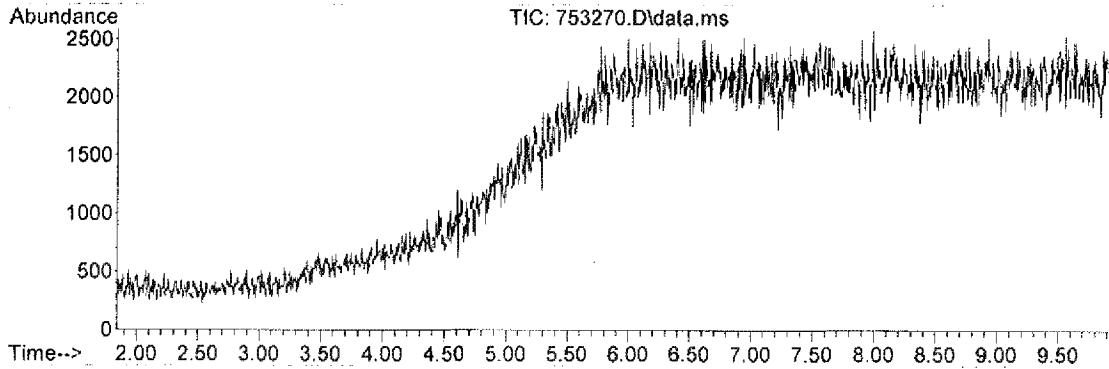
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.73	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753270.D
Operator : P. PIRO
Date Acquired : 6 Nov 2010 3:56
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



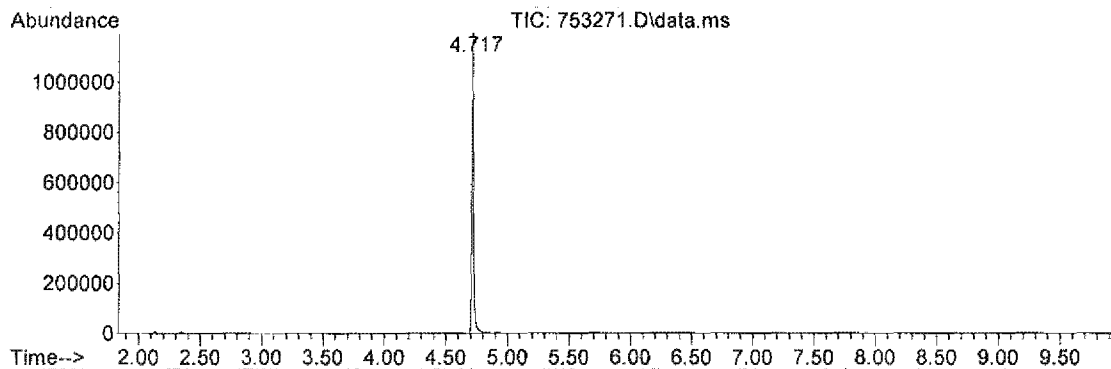
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753271.D
 Operator : P. PIRO
 Date Acquired : 6 Nov 2010 4:09
 Sample Name : COCAINE STANDARD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.717	1190332	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\11_05_10\753271.D
 Operator : P. PIRO
 Date Acquired : 6 Nov 2010 4:09
 Sample Name : COCAINE STANDARD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\Database\SLI.L COCAINE	000050-36-2	99

